

Constructing a Venn diagram with 2 sets to solve a word problem

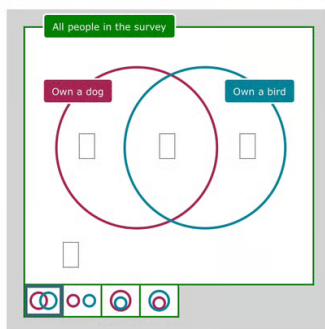
Worked Examples:

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A pet store surveyed 226 people to gather information about the types of pets they own. The table below gives the results for two types of pets.

	Number of people
Own a dog but not a bird	15
Own a bird but not a dog	126
Own a dog or a bird (or both)	141

Construct a Venn diagram illustrating these results. Then answer the questions.



How many people own a bird?
 people

How many people own both a dog and a bird?
 people



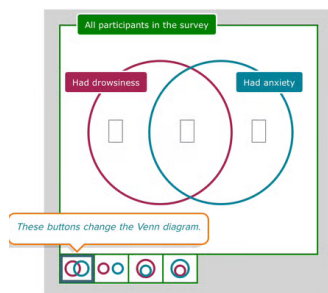
Note: The Solve feature

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A drug trial had 231 participants. A survey was done to gather information about the participants' experiences with side effects. The table below gives the results for two possible side effects.

	Number of participants
Had drowsiness	75
Had anxiety	184
Had both drowsiness and anxiety	56

Construct a Venn diagram illustrating these results. Then answer the questions.



How many participants had anxiety but not drowsiness?
 participants

How many participants had drowsiness or anxiety (or both)?
 participants



#Sets

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